

# **ABSTRACT OF THE DISCLOSURE**

A method for adjusting an optical system that has a multilayer mirror that includes a multilayer film  
5 includes the steps of measuring wave front aberration of the optical system, determining a condition to remove part of the multilayer film in the multilayer mirror so that the wave front aberration measured in the measuring step may reduce, and removing the part of  
10 the multilayer film in the multilayer mirror based on the condition determined by the determining step.